CUMULATIVE INDEXES

VOLUMES 5-9

INDEX OF CONTRIBUTING AUTHORS

A

Ainsworth, G. C., 7:13
Albersheim, P., 7:171
Allen, M. W., 5:247

B

Baker, R., 6:263
Bawden, F. C., 8:1
Bennett, C. W., 5:87
Bingham, R. T., 9:433
Black, L. M., 7:73
Boone, D. M., 9:297
Bourke, P. M. A., 8:345
Bracker, C. E., 5:343
Brakke, M. K., 8:61
Brandes, G. A., 9:363
Brinkerhoff, L. A., 8:85
Browning, J. A., 7:355

C

Chiarappa, L., 8:419
Clark, J. M., Jr., 6:295
Clark, W. A., 5:319
Coley-Smith, J. R., 9:65
Cooke, R. C., 9:65

D

Davis, R. E., 9:119
De Ley, J., 6:63
de Zoeten, G. A., 5:223
Dickey, R. S., 8:259
Dimock, A. W., 5:265
Dimond, A. E., 8:301
Dropkin, V. H., 7:101
Duffus, J. E., 9:319
Dufour, D., 7:31
Duran, R., 6:213

E

Eckert, J. W., 5:391
Ehrlich, H. G., 9:155
Ehrlich, M. A., 9:155
Ellingboe, A. H., 6:317
English, P. D., 7:171
Esau, K., 5:45

F

Fawcett, C. H., 8:403
Fish, S., 8:13
Flor, H. H., 9:275
Frey, K. J., 7:355

G

Gallegly, M. E., 6:375
Georgopoulos, S. G., 5:109
Gerdemann, J. W., 6:397
Goheen, A. C., 7:331
Goodman, R. N., 5:17
Goring, C. A. I., 5:285
Gottlieb, D., 8:371
Green, G. J., 5:183
Gregory, P. H., 6:189
Griffin, D. M., 7:289

H

Hanchey, P., 6:331
Hawksworth, F. G., 8:187
Heck, W. W., 6:165
Hendrix, J. W., 8:111
Hodges, C. S., 7:247
Hoff, R. J., 9:433
Hoffmann, J. A., 6:213
Hollings, M., 9:93
Holmes, F. O., 6:41
Holton, C. S., 6:213
Hooker, A. L., 5:163

I

Isaac, I., 5:201

J

Jennings, P. R., 7:383
Jewell, F. F., 6:23
Johnson, T., 5:183
Jones, T. M., 7:171
Joubert, J. J., 9:45

K

Kirk, T. K., 9:185
Klement, Z., 5:17
Klinkowski, M., 8:37
Kosuge, T., 7:195
Kuć, J., 7:223

L

Last, F. T., 9:341
Leppik, E. E., 8:323
Liese, W., 8:231
Loegering, W. Q., 5:319

M

Maclean, D. J., 7:123
MacNeill, B. H., 7:147
Matta, A., 9:387
McCallan, S. E. A., 7:1
McDonald, G. I., 9:433
Merrill, W., 8:281
Middleton, J. T., 4:103
Miles, P. W., 6:137
Mizukami, T., 7:51
Muskett, A. E., 5:1

N

Nelson, P. E., 8:259
Nyland, G., 7:331

O

Ordish, G., 7:31
Orlob, G. B., 9:7
Ou, S. H., 7:383

P

Paddock, W. C., 5:375
Palti, J., 7:267
Peterson, R. S., 6:23
Powell, N. T., 9:253

R

Reichmann, M. E., 6:295
Rijkenberg, F. H. J., 9:45
Robertson, N. F., 6:115
Rohringer, R., 5:77
Rotem, J., 7:267
Rowell, J. B., 6:243

S

Samborski, D. J., 5:77; 5:183
Schafer, J. F., 9:235
Schlegel, D. E., 5:223
Scott, K. J., 7:123
Seinhorst, J. W., 8:131
Shaw, P. D., 8:371
Sher, S. A., 5:247
Sinden, J. W., 9:411
Sisler, H. D., 7:311
Smith, S. H., 5:223

Snyder, W. C., 9:1
Sommer, N. F., 5:391
Spencer, D. M., 8:403
Stone, O. M., 9:93
Swenson, K. G., 6:351

T

Tinline, R. D., 7:147
Treshow, M., 9:21
Tsao, P. H., 8:157

U

Uritani, I., 9:211

W

Wakimoto, S., 7:51
Wallace, H. R., 6:91
Walter, J. M., 5:131
Watson, I. A., 8:209
Wheeler, H., 6:331
Whitcomb, R. F., 9:119
Wiens, D., 8:187
Williams, E. B., 7:223
Wilson, C. L., 7:411

Z

Zaracovitis, C., 5:109

INDEX OF CHAPTER TITLES

VOLUMES 5 - 9

PREFATORY CHAPTER
Plant Pathology and the Plant Pathologist — A. E. Muskett — 5:1-16
A Perspective on Plant Pathology — S. E. A. McCallan — 7:1-12
Musings of an Erstwhile Plant Pathologist — F. C. Bawden — 8:1-12
Plant Pathology Today — W. C. Snyder — 9:1-6

HISTORICAL
History of Plant Pathology in Great Britain — G. C. Ainsworth — 7:13-30
History of Plant Pathology in Australia — S. Fish — 8:13-36
History of Plant Pathology in the Middle Ages — G. B. Orlob — 9:7-20

APPRAISAL OF DISEASE
The World Situation of the Cereal Rusts — T. Johnson, G. J. Green, D. J. Samborski — 5:183-200
Aerial Photography for the Study of Plant Diseases — G. H. Brenchley — 6:1-22
Status of American Stem Rusts of Pine — R. S. Peterson, F. F. Jewell — 6:23-40
Economic Bases for Protection Against Plant Diseases — G. Ordish, D. Dufour — 7:31-50
Catastrophic Plant Diseases — M. Klinkowski — 8:37-60
Systemic Infections for the Assay of Plant Viruses — M. K. Brakke — 8:61-84

PATHOGENS
The Hypersensitive Reaction to Infection by Bacterial Plant Pathogens — Z. Klement, R. N. Goodman — 5:17-44
Speciation in Verticillium — I. Isaac — 5:201-22
Sites of Virus Synthesis Within Cells — D. E. Schlegel, S. H. Smith, G. A. de Zoeten — 5:223-46
Taxonomic Problems Concerning the Phytoparasitic Nematodes — M. W. Allen, S. A. Sher — 5:247-64
Trends in the Development of Plant Virology — F. O. Holmes — 6:41-62
DNA Base Composition and Hybridization in the Taxonomy of Phytopathogenic Bacteria — J. De Ley — 6:63-90

The Dynamics of Nematode Movement	H. R. Wallace	6:91-114
The Growth Process in Fungi	N. F. Robertson	6:115-36
Variation in the Smut Fungi	C. S. Holton, J. A. Hoffmann, R. Duran	6:213-42
Current Status of In Vitro Synthesis of Plant Viruses	M. E. Reichmann, J. M. Clark, Jr.	6:295-316
Epidemiology and Control of Bacterial Leaf Blight of Rice	T. Mizukami, S. Wakimoto	7:51-72
Insect Tissue Cultures as Tools in Plant Virus Research	L. M. Black	7:73-100
Cellular Responses of Plants to Nematode Infections	V. H. Dropkin	7:101-22
Culturing of Rust Fungi	K. J. Scott, D. J. Maclean	7:123-46
Parasexuality in Plant Pathogenic Fungi	R. D. Tinline, B. H. MacNeill	7:147-70
Variation in Xanthomonas Malvacearum and its Relation to Control	L. A. Brinkerhoff	8:85-110
Sterols in Growth and Reproduction of Fungi	J. W. Hendrix	8:111-30
Dynamics of Populations of Plant Parasitic Nematodes	J. W. Seinhorst	8:131-56
Selective Media for Isolation of Pathogenic Fungi	P. H. Tsao	8:157-86
Biology and Taxonomy of the Dwarf Mistletoes	F. G. Hawksworth, D. Wiens	8:187-208
Changes in Virulence and Population Shifts in Plant Pathogens	I. A. Watson	8:209-30
Fluorides as Air Pollutants Affecting Plants	M. Treshow	9:21-44
Parasitic Green Algae	J. J. Joubert, R. H. J. Rijkenberg	9:45-64
Survival and Germination of Fungal Sclerotia	J. R. Coley-Smith, R. C. Cooke	9:65-92
Viruses that Infect Fungi	M. Hollings, O. M. Stone	9:93-118
Mycoplasmas, Rickettsiae, and Chlamydiae	R. E. Davis, R. F. Whitcomb	9:119-54
MORPHOLOGY AND ANATOMY		
Anatomy of Plant Virus Infections	K. Esau	5:45-76
Ultrastructure of Fungi	C. E. Bracker	5:343-74
Biochemistry of the Cell Wall in Relation to Infective Processes	P. Albersheim, T. M. Jones, P. D. English	7:171-94
Ultrastructural Aspects of Woody Tissue Disintegration	W. Liese	8:231-58
Histopathology of Plants Infected with Vascular Bacterial Pathogens	P. E. Nelson, R. S. Dickey	8:259-80
Spore Germination and Host Penetration by Heartrotting Hymenomycetes	W. Merrill	8:281-300
Fine Structure of the Host-Parasite Interfaces in Mycoparasitism	M. A. Ehrlich, H. G. Ehrlich	9:155-84
PHYSIOLOGY OF HOST-PATHOGEN INTERACTION		
Aromatic Compounds in the Host-Parasite Interaction	R. Rohringer, D. J. Samborski	5:77-86
Insect Secretions in Plants	P. W. Miles	6:137-64
Factors Influencing Expression of Oxidant Damage to Plants	W. W. Heck	6:165-88
Inoculum Production and Infection by Foliage Pathogens	A. H. Ellingboe	6:317-30
Permeability Phenomena in Plant Disease	H. Wheeler, P. Hanchey	6:331-50
The Role of Phenolics in Host Response to Infection	T. Kosuge	7:195-222
Biophysics and Biochemistry of the Vascular Wilt Syndrome	A. E. Dimond	8:301-22
Effects of Microorganisms on Lignin	T. K. Kirk	9:185-210
Protein Changes in Diseased Plants	I. Uritani	9:211-34
Tolerance to Plant Disease	J. F. Schafer	9:235-52

Interactions Between Nematodes and Fungi in Disease Complexes	N. T. Powell	9:253-74
GENETICS OF HOST-PATHOGEN INTERACTIONS		
Genetics of Pathogenicity of Phytophthora Infestans	M. E. Gallegly	6:375-96
Resistance in Malus to Venturia Inaequalis	E. B. Williams, J. Kuc	7:223-46
Gene Centers of Plants as Sources of Disease Resistance	E. E. Leppik	8:323-44
Current Status of the Gene-for-Gene Concept	H. H. Flor	9:275-96
Genetics of Venturia Inaequalis	D. M. Boone	9:297-318
EPIDEMIOLOGY-DISEASE IN POPULATION		
Epidemiology of Leafhopper-Transmitted Viruses	C. W. Bennett	5:87-108
Interpreting Plant Disease Dispersal Gradients	P. H. Gregory	6:189-212
Role of Aphids in the Ecology of Plant Viruses	K. G. Swenson	6:351-74
Modes of Infection and Spread of Fomes Annosus	C. S. Hodges	7:247-66
Irrigation and Plant Diseases	J. Rotem, J. Palti	7:267-88
Use of Weather Information in the Prediction of Plant Disease Epiphytotics	P. M. A. Bourke	8:345-70
Role of Weeds in the Incidence of Virus Diseases	J. E. Duffus	9:319-40
The Role of the Host in the Epidemiology of Some Nonfoliar Pathogens	F. T. Last	9:341-62
INFLUENCE OF ENVIRONMENT		
Controlled Environment in Relation to Plant Disease Research	A. W. Dimock	5:265-84
Soil Water in the Ecology of Fungi	D. M. Griffin	7:289-310
ACTION OF TOXICANTS		
Tolerance of Fungi to Organic Fungicides	S. G. Georgopoulos, C. Zaracovitis	5:109-30
Effect of Fungicides on Protein and Nucleic Acid Synthesis	H. D. Sisler	7:311-30
Mechanism of Action of Antifungal Antibiotics	D. Gottlieb, P. D. Shaw	8:371-402
CHEMICAL CONTROL		
Physical Aspects of Soil in Relation to the Action of Soil Fungicides	C. A. I. Goring	5:285-318
Control of Diseases of Fruits and Vegetables by Postharvest Treatment	J. W. Eckert, N. F. Sommer	5:391-432
Chemical Control of the Cereal Rusts	J. B. Rowell	6:243-62
Heat Therapy of Virus Diseases of Perennial Plants	G. Nyland, A. C. Goheen	7:331-54
Plant Chemotherapy with Natural Products	C. H. Fawcett, D. M. Spencer	8:403-18
Advances in Fungicide Utilization	G. A. Brandes	9:363-86
BIOLOGICAL AND CULTURAL CONTROL		
Mechanisms of Biological Control of Soil-Borne Pathogens	R. Baker	6:263-94
Microbial Penetration and Immunization of Uncongenial Host Plants	A. Matta	9:387-410
Ecological Control of Pathogens and Weed-Molds in Mushroom Culture	J. W. Sinden	9:411-32
BREEDING FOR RESISTANCE		
Hereditary Resistance to Disease in Tomato	J. M. Walter	5:131-62
The Genetics and Expression of Resistance in Plants to Rusts of the Genus Puccinia	A. L. Hooker	5:163-82
Multiline Cultivars as a Means of Disease Control	J. A. Browning, K. J. Frey	7:355-82
Progress in the Development of Disease-		

Resistant Rice	S. H. Ou, P. R. Jennings	7:383-410
Disease Resistance in Forest Trees	R. T. Bingham, R. J. Hoff, G. I. McDonald	9:433-52
SPECIAL TOPICS		
Functions and Maintenance of a Type-Culture Collection	W. A. Clark, W. Q. Loegering	5:319-42
Phytopathology in a Hungry World	W. C. Paddock	5:375-90
Vesicular-Arbuscular Mycorrhiza and Plant Growth	J. W. Gerdemann	6:397-418
Use of Plant Pathogens in Weed Control	C. L. Wilson	7:411-34
Phytopathological Organizations of the World	L. Chiarappa	8:419-40